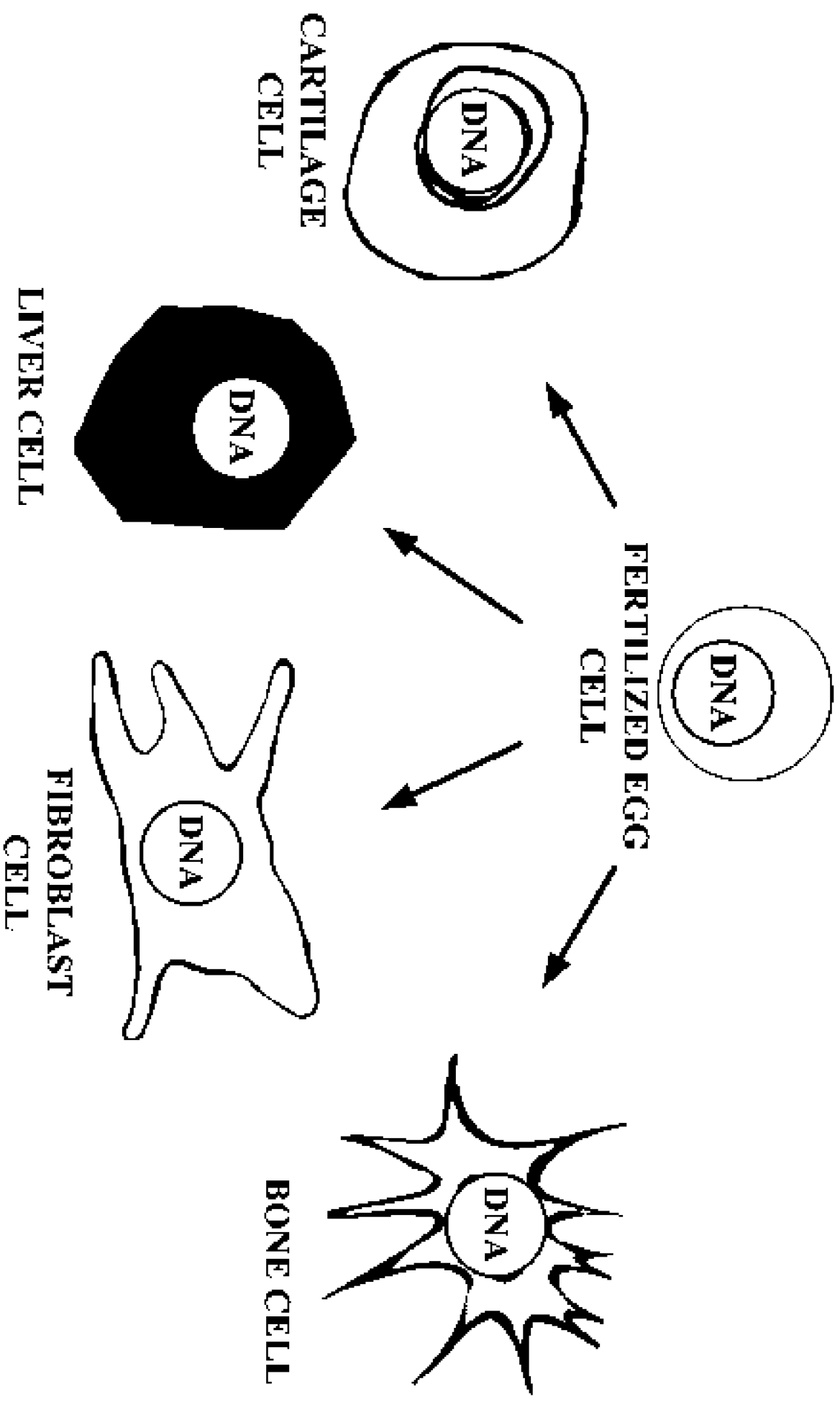


FIG. 1



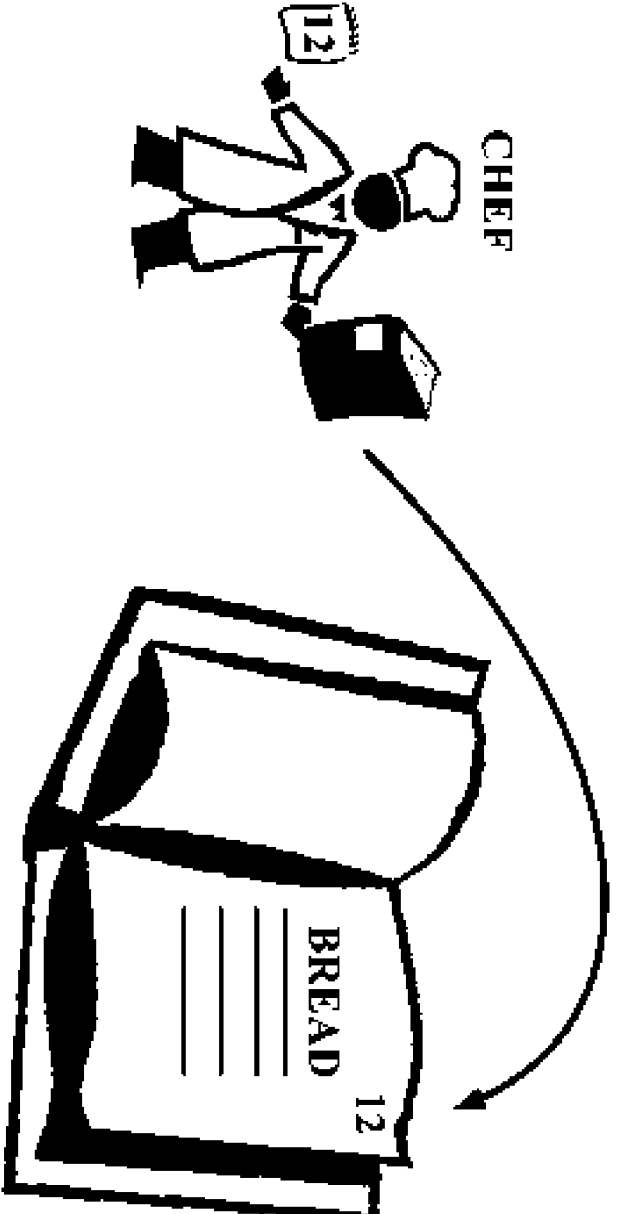


FIG. 2A

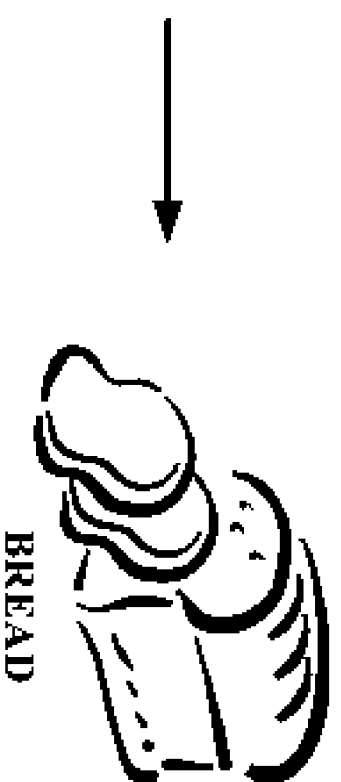


FIG. 2B

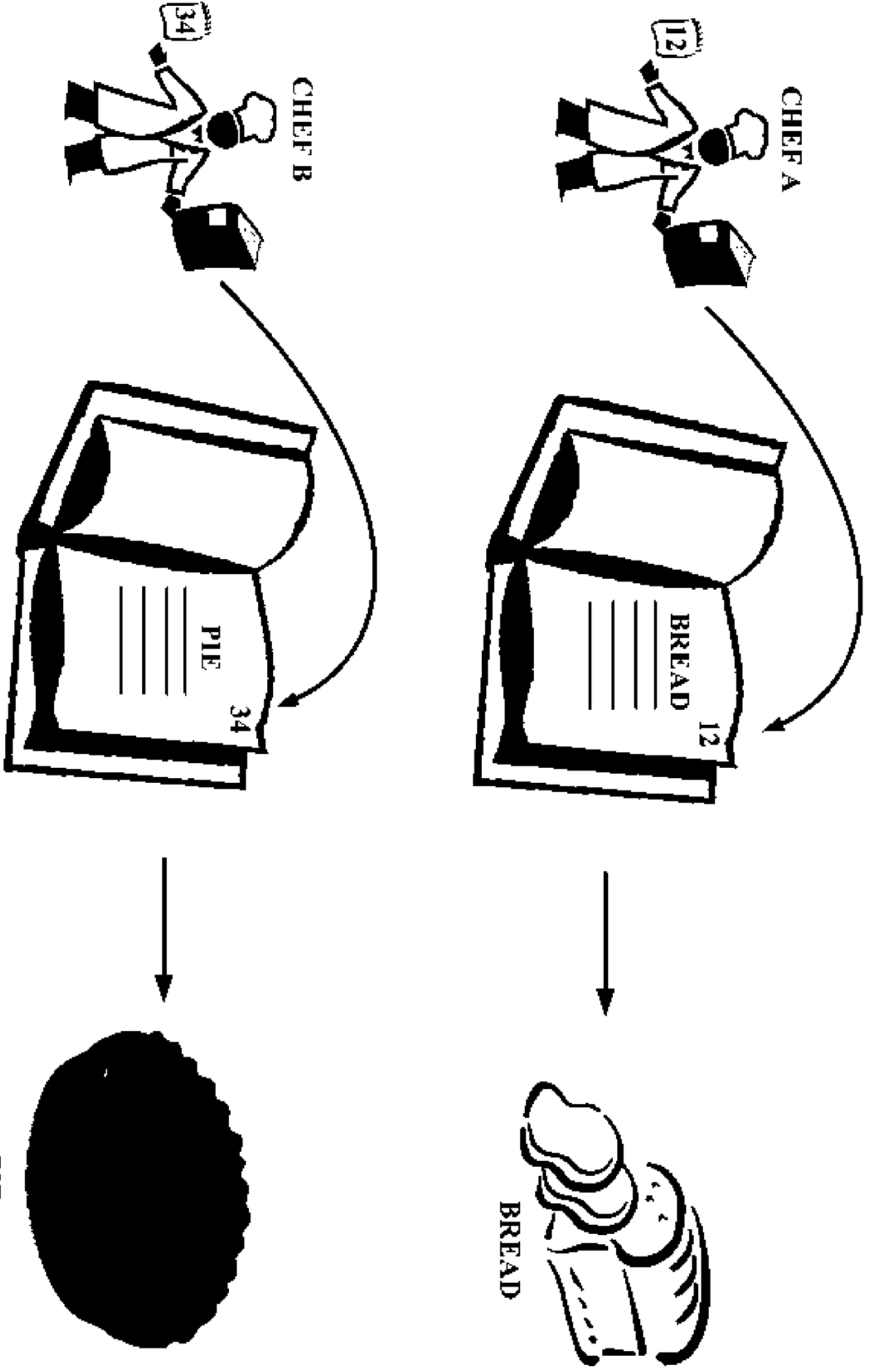


FIG. 3

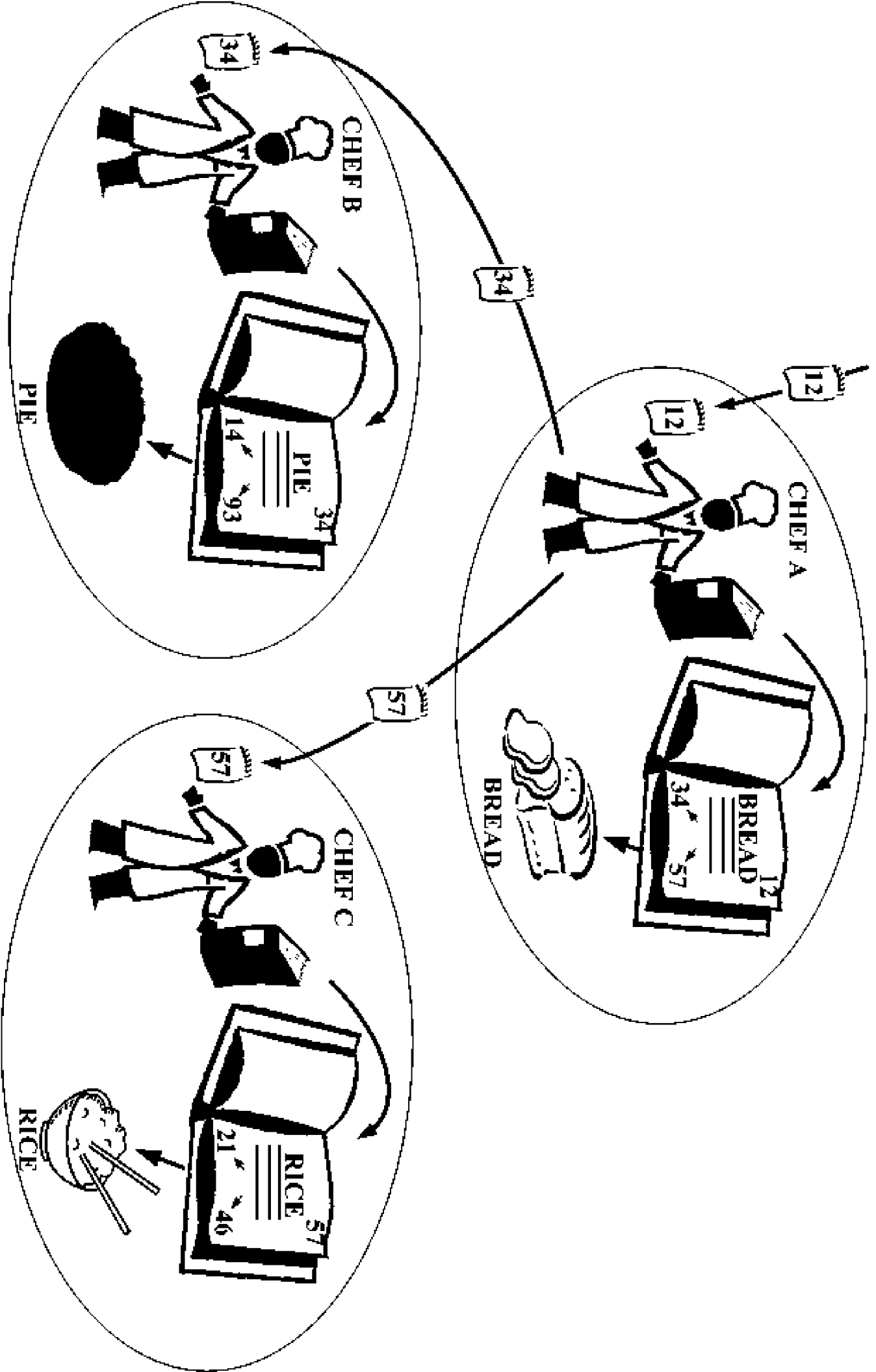
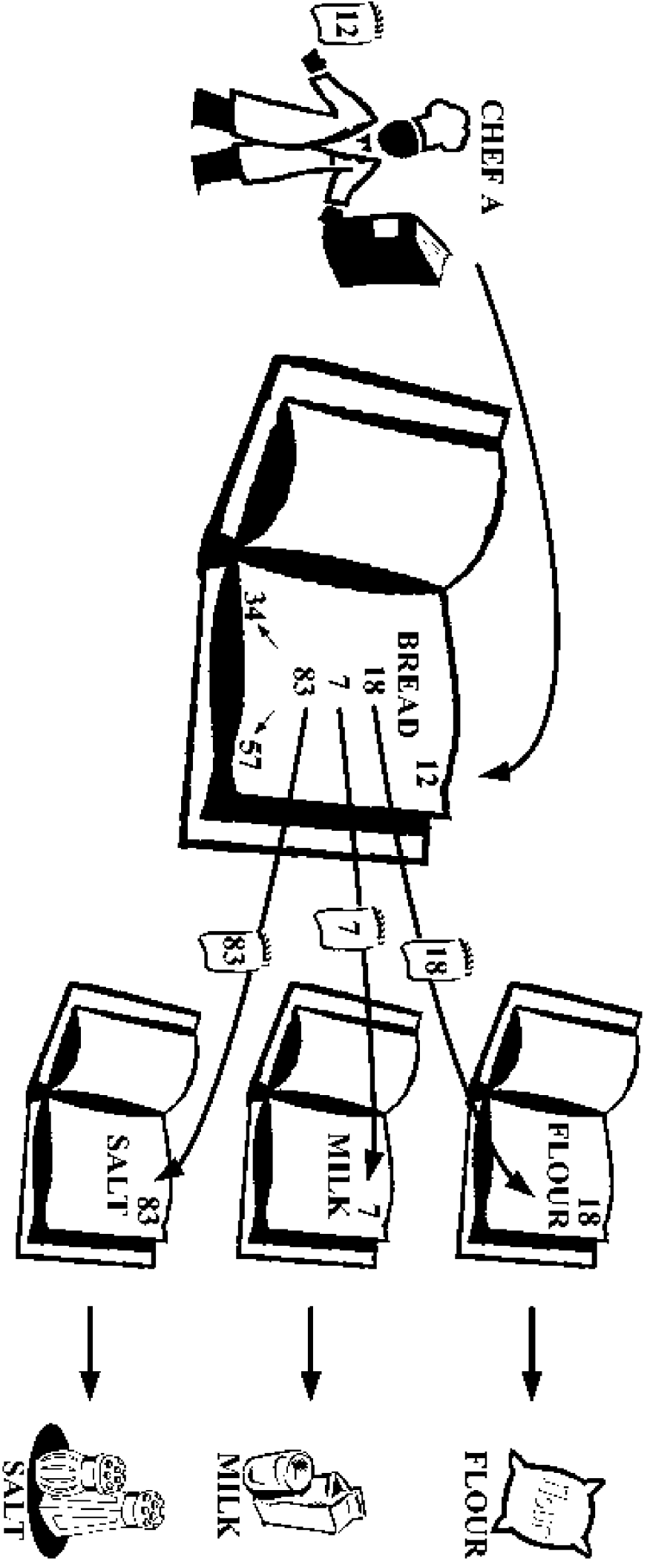


FIG. 4



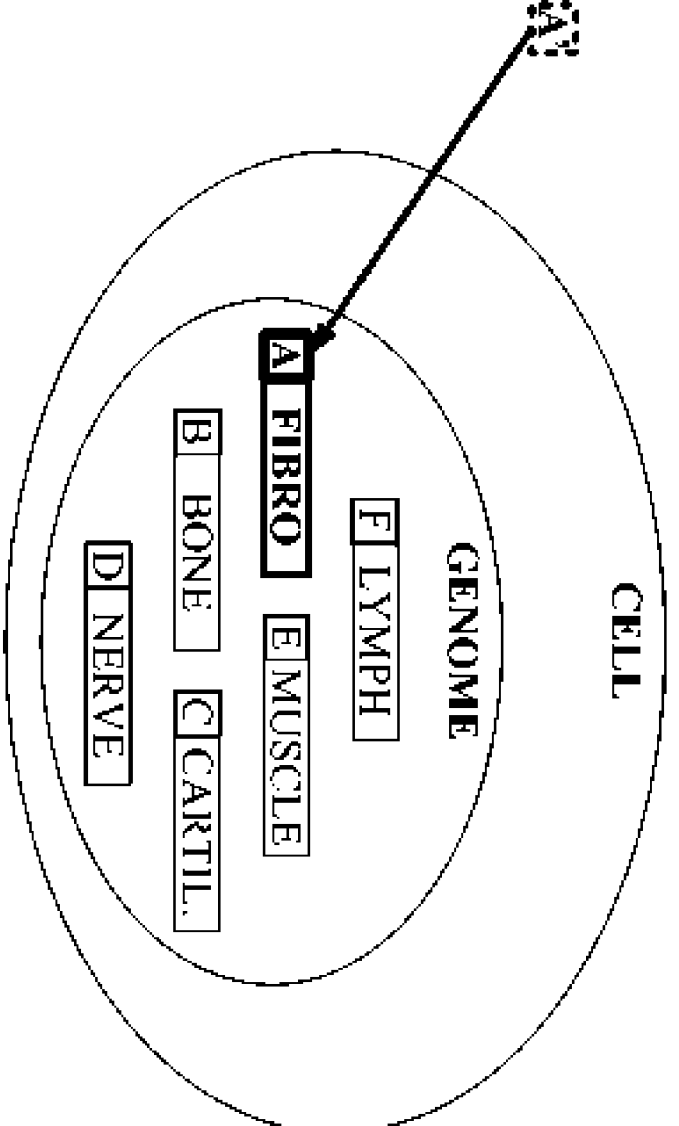


FIG. 5A

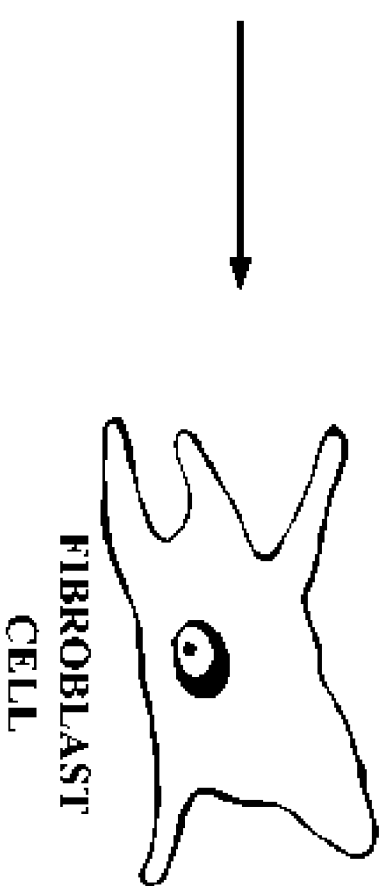


FIG. 5B

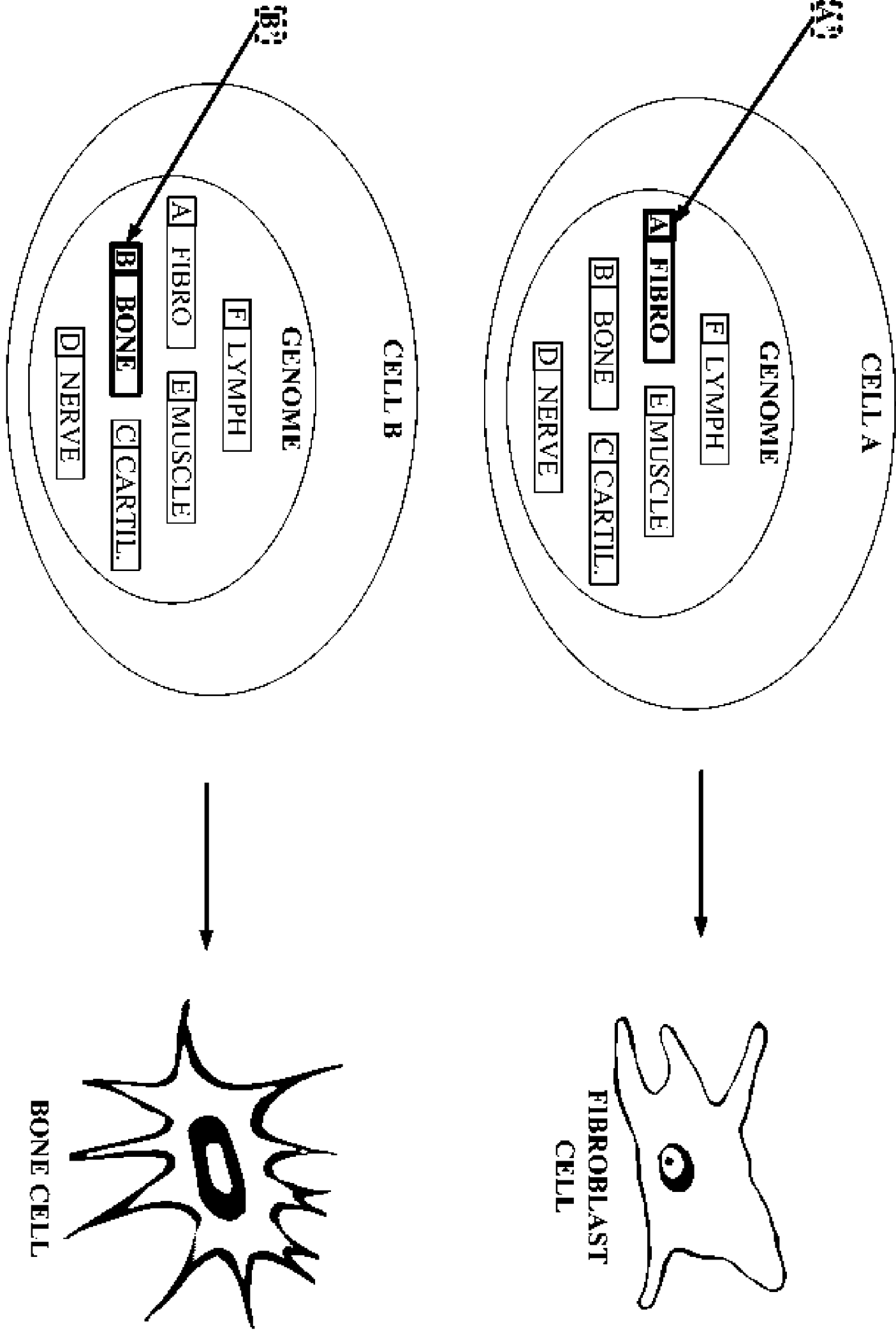


FIG. 6

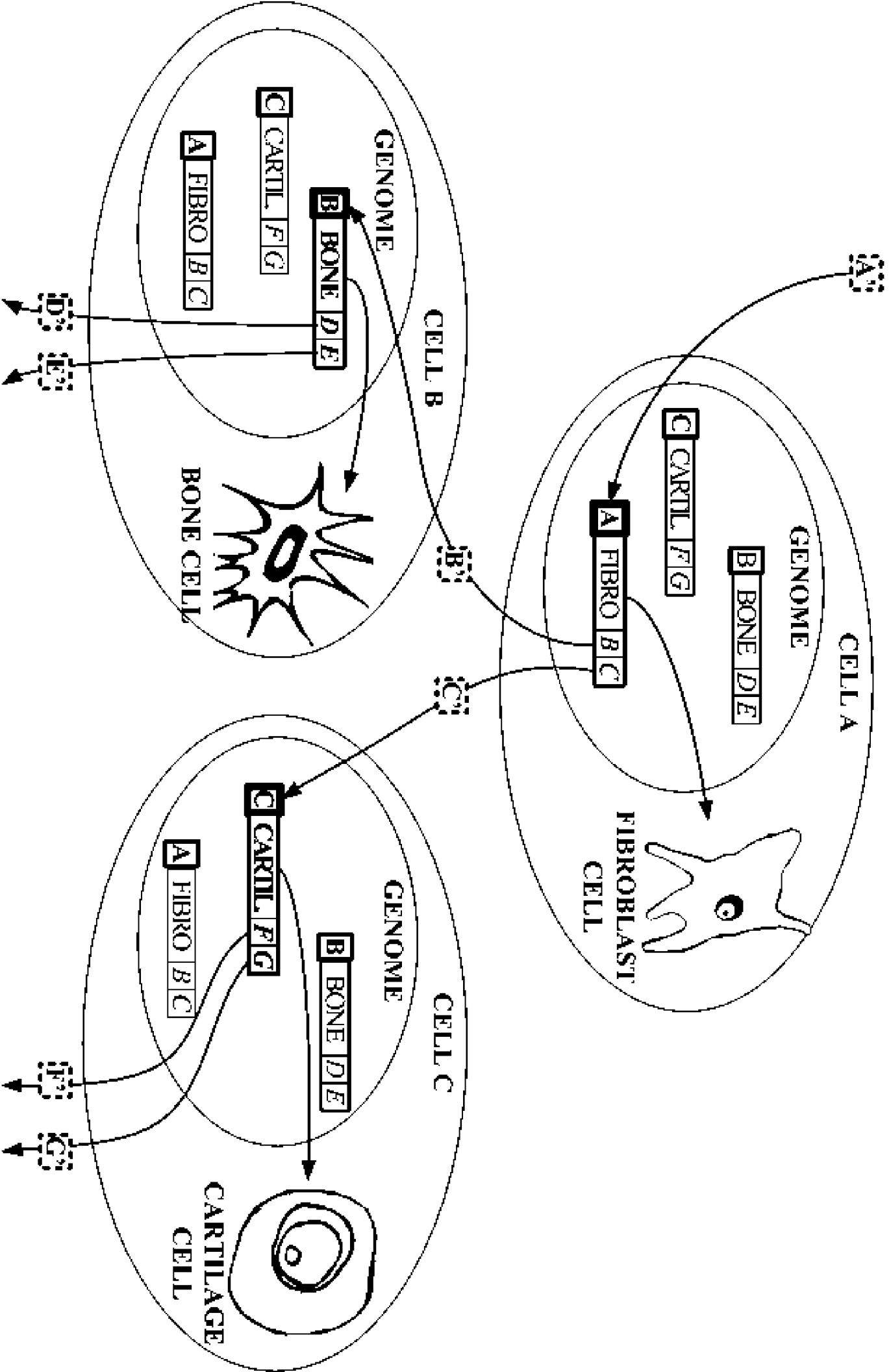


FIG. 7

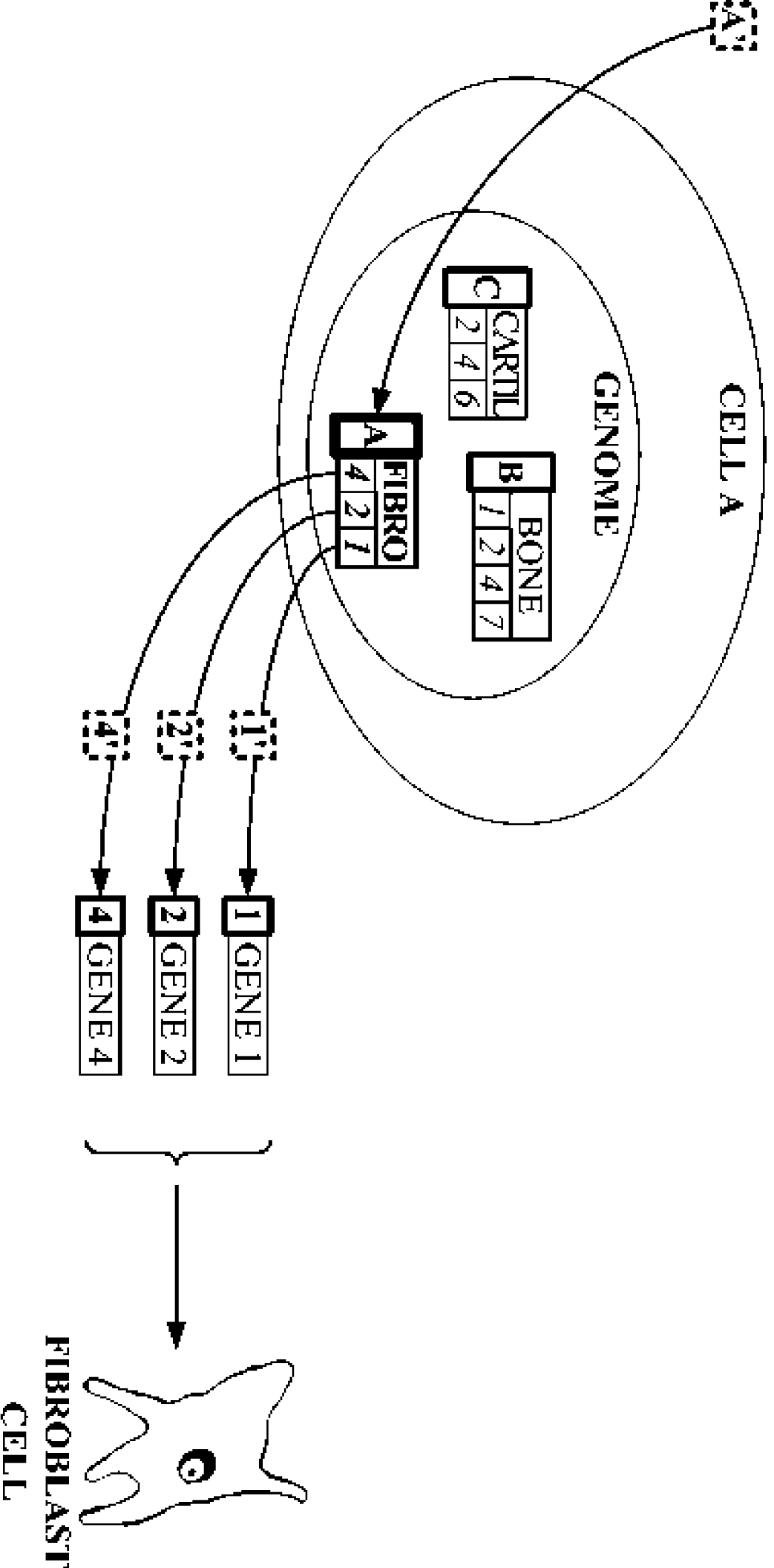


FIG. 8

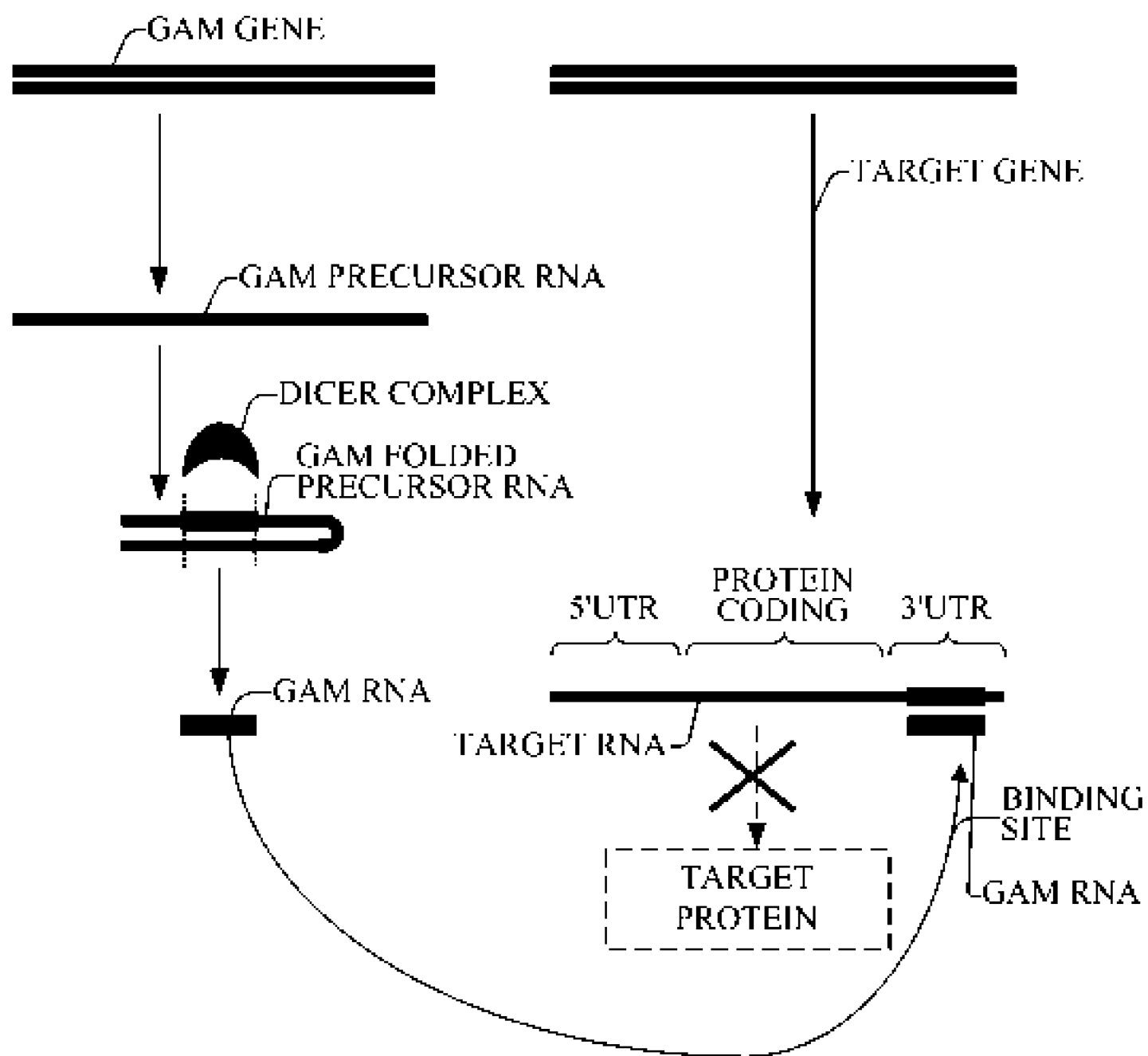


FIG. 9

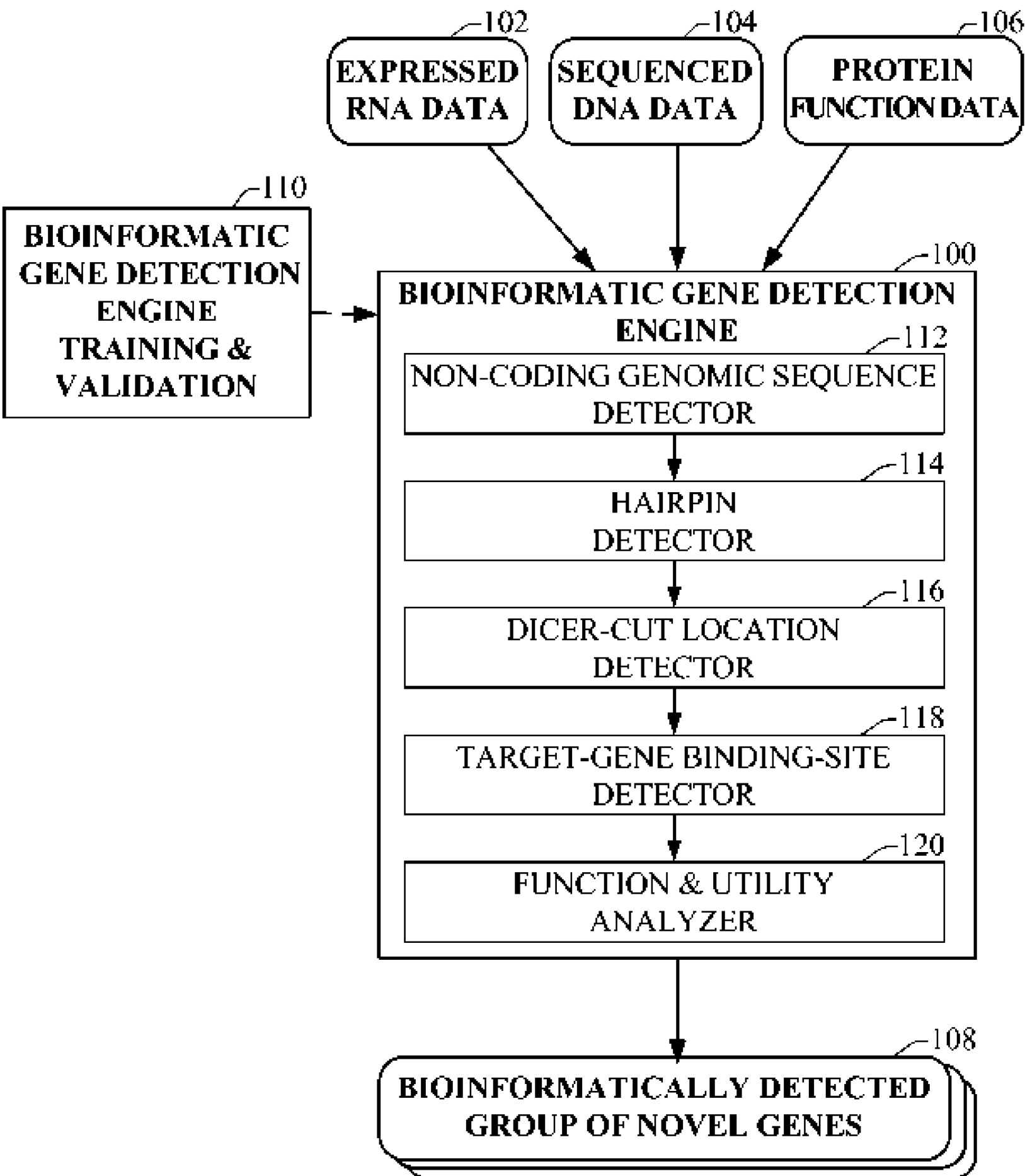


FIG. 10

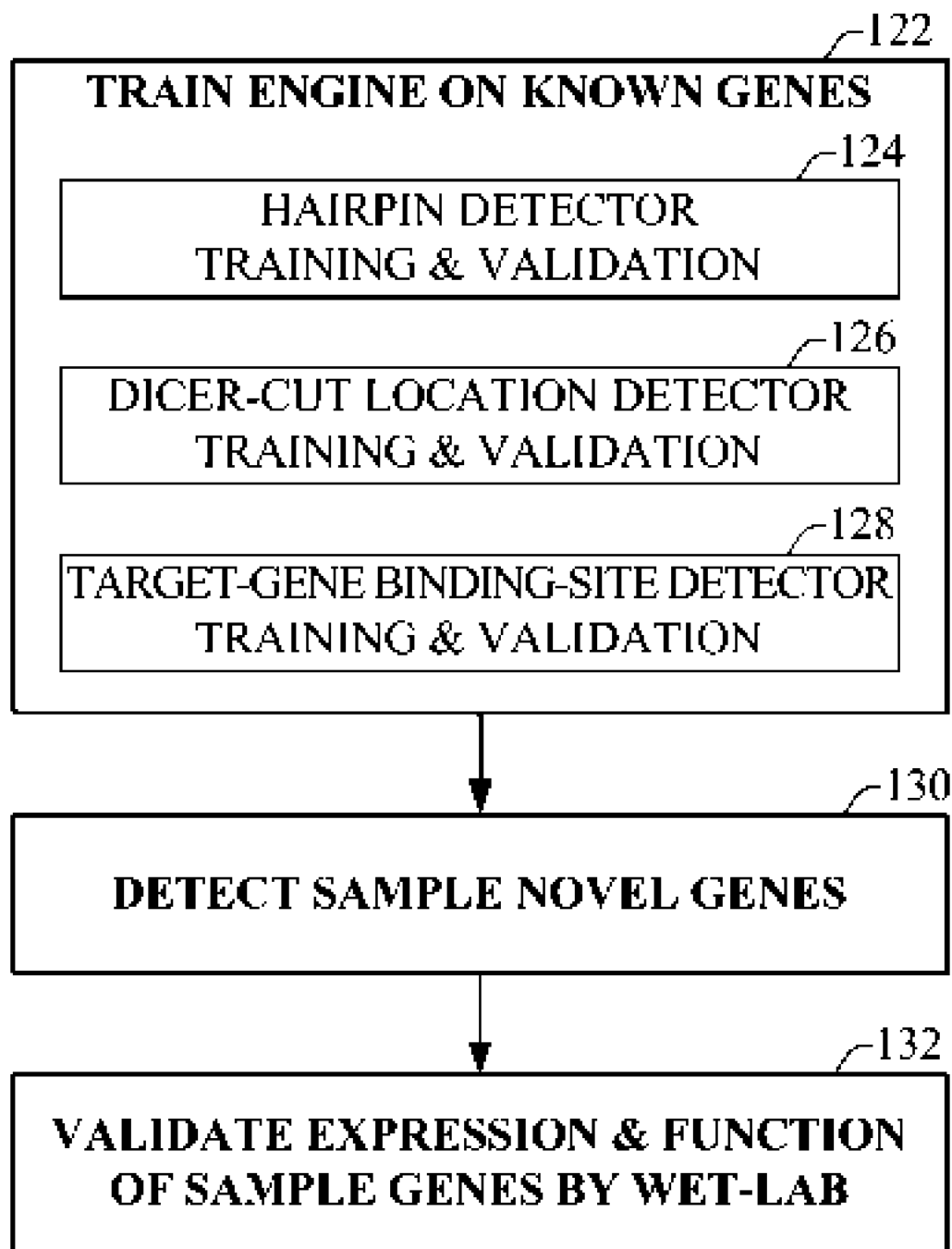


FIG. 11A

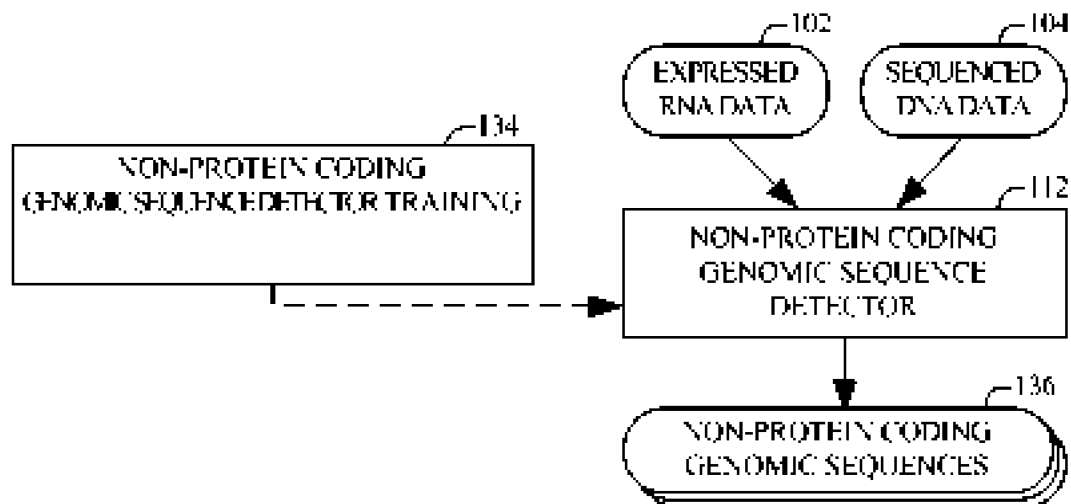


FIG. 11B

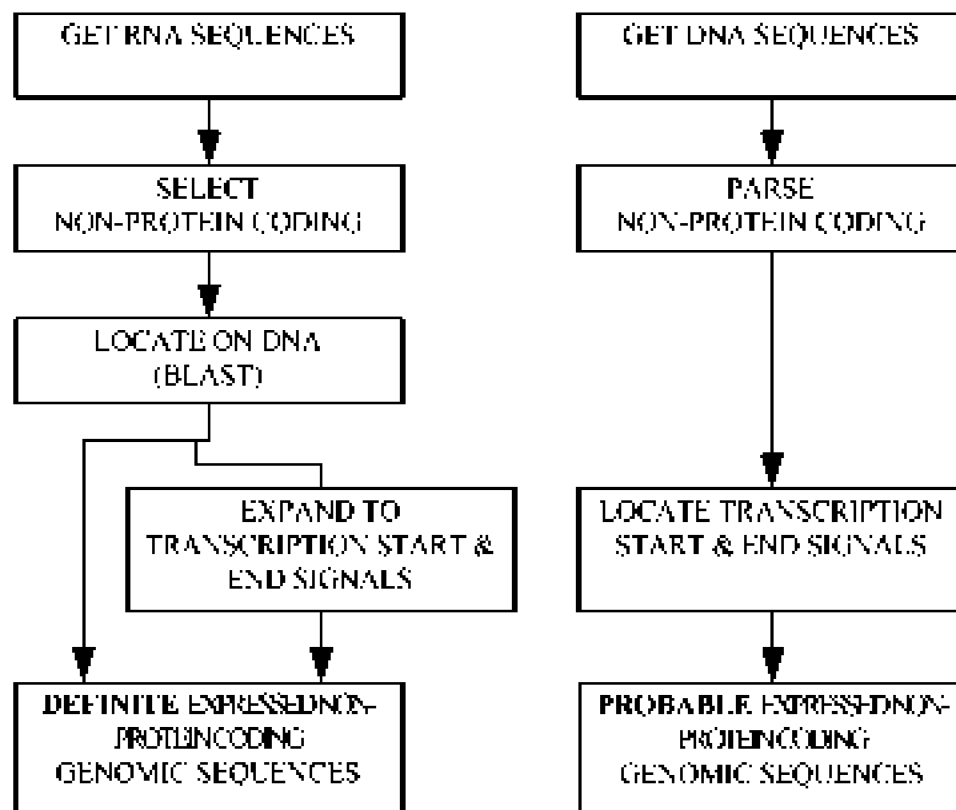


FIG. 12A

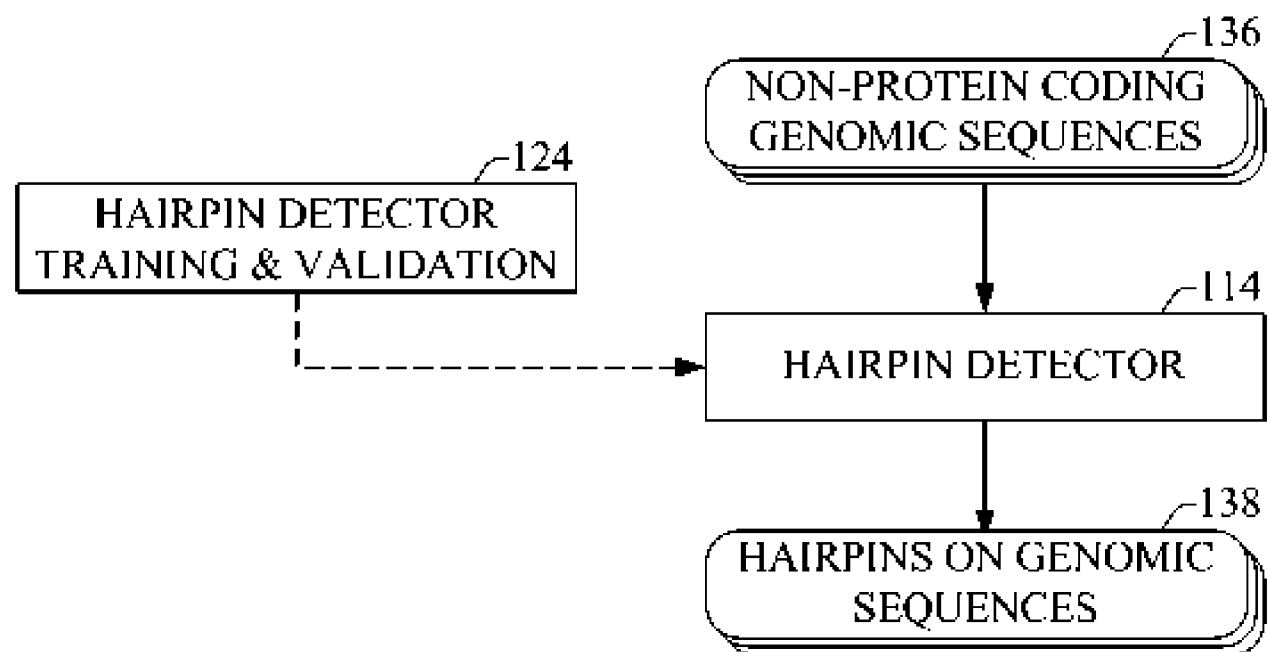


FIG. 12B

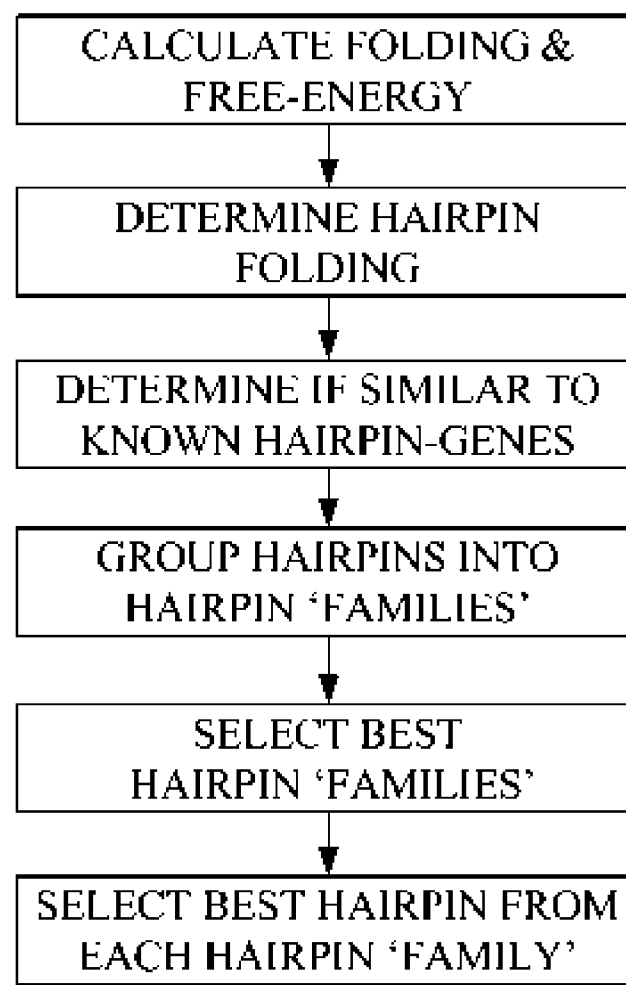


FIG. 13A

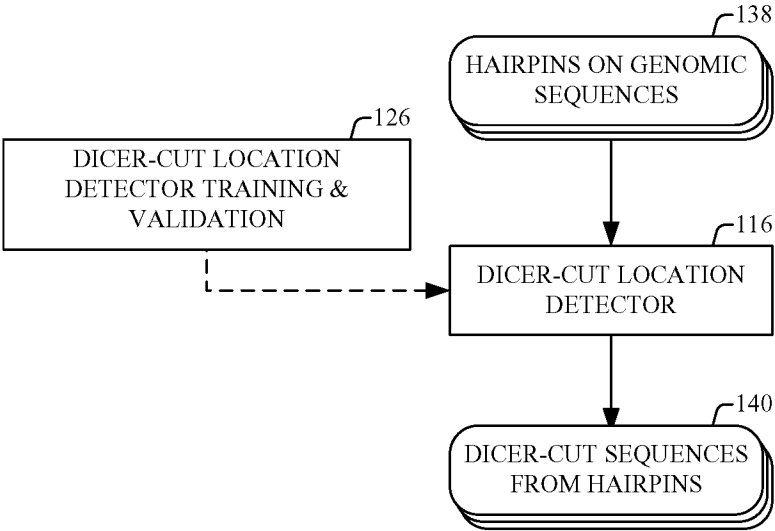


FIG. 13B

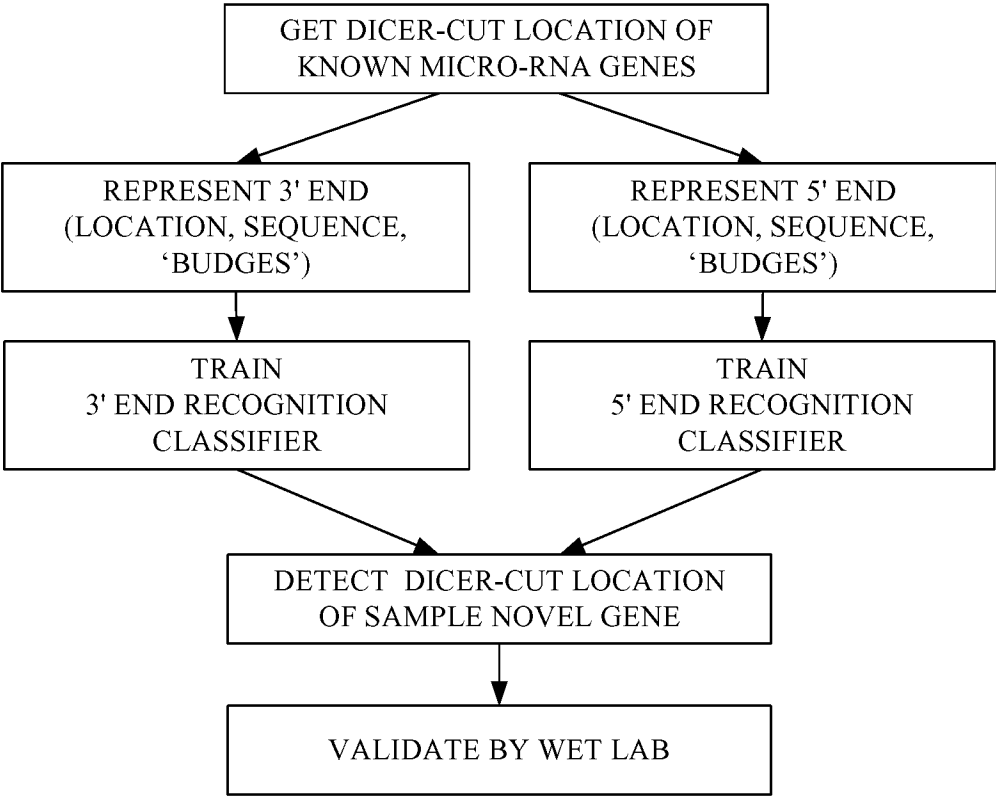


FIG. 13C

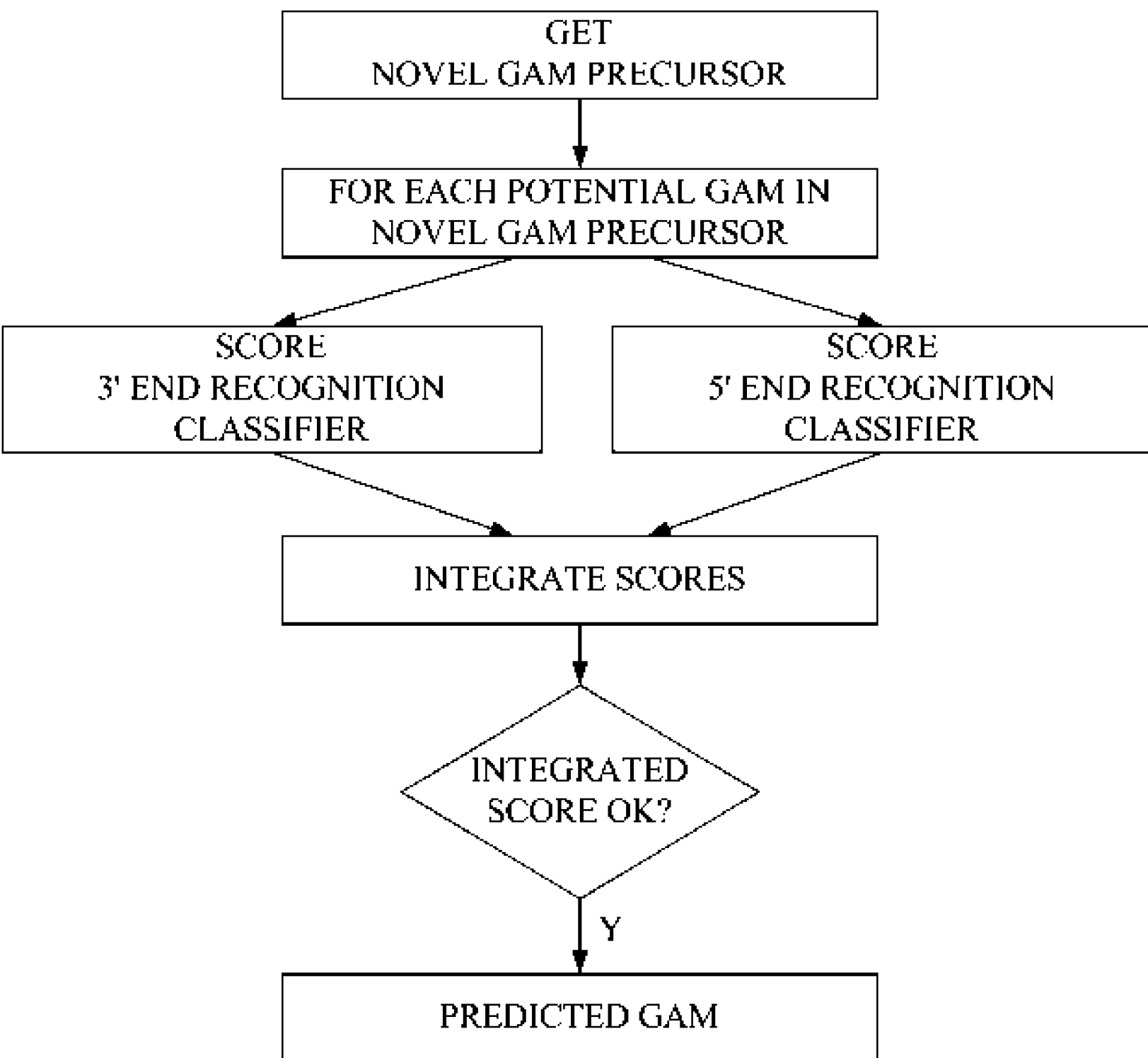


FIG. 14A

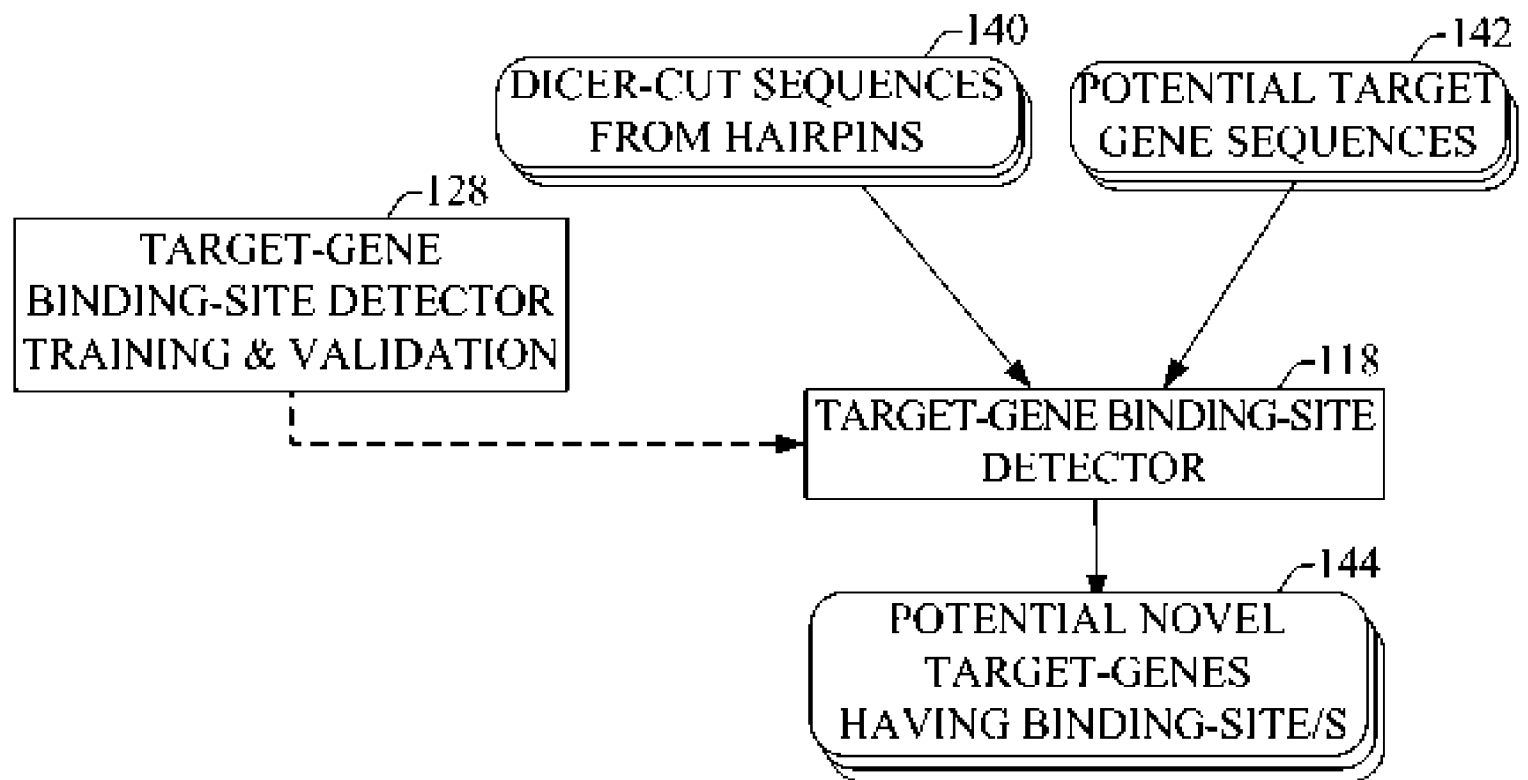


FIG. 14B

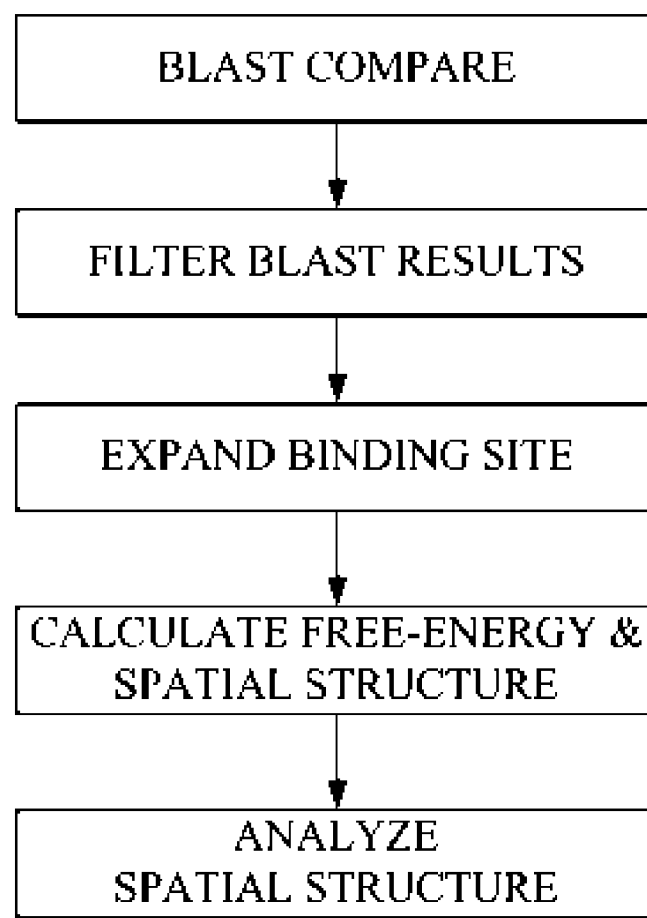


FIG. 15

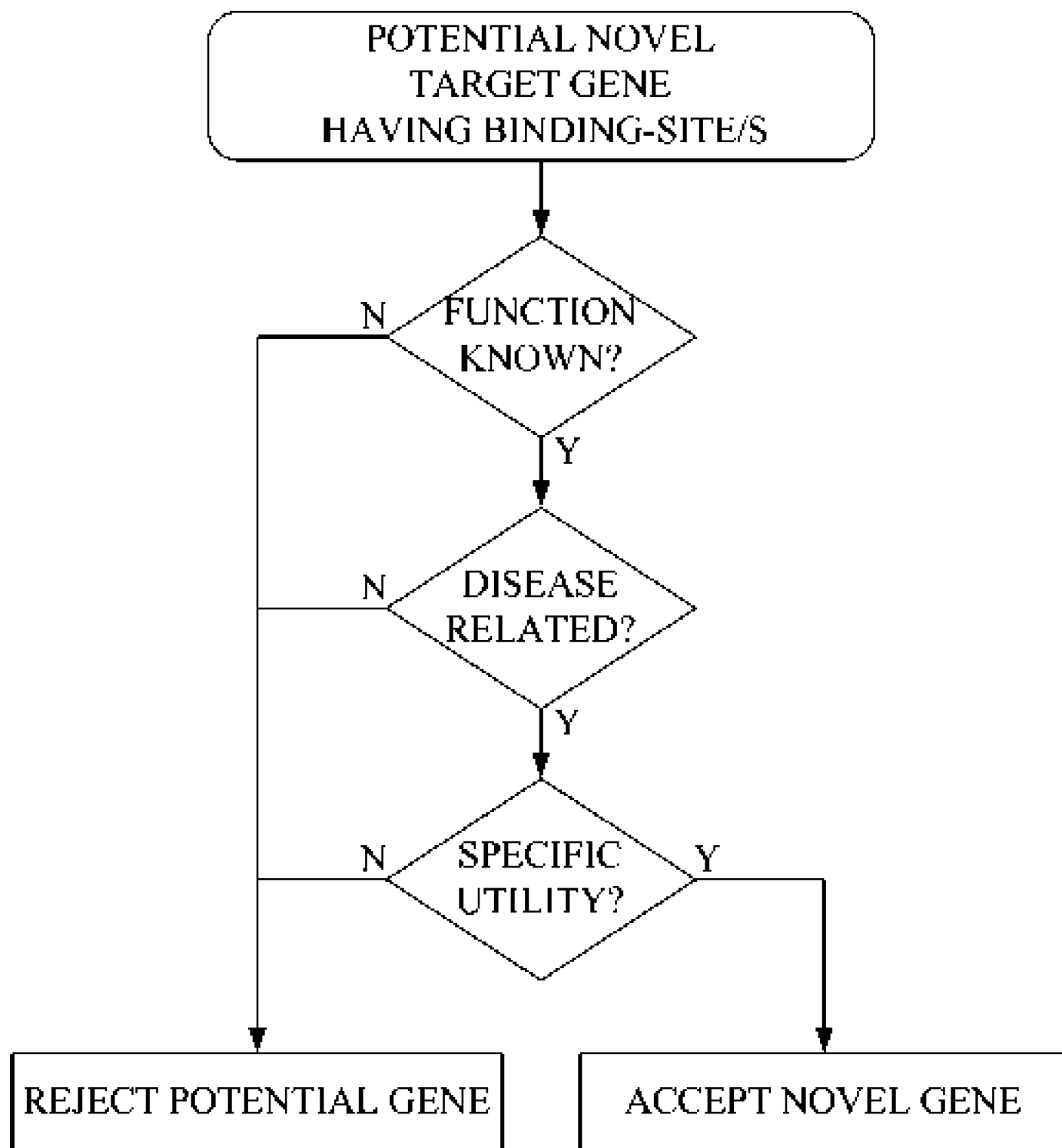


FIG. 16

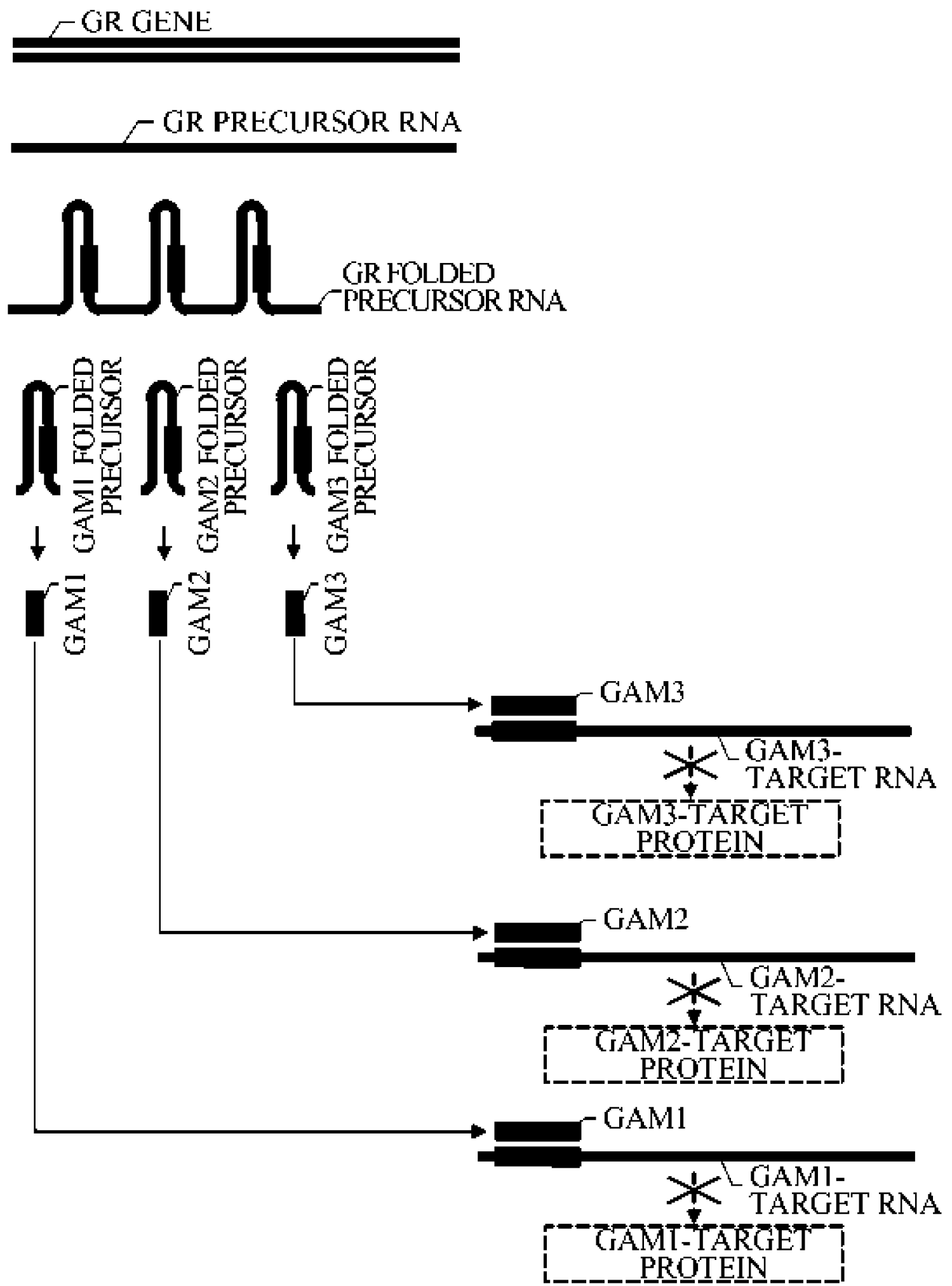


FIG. 17

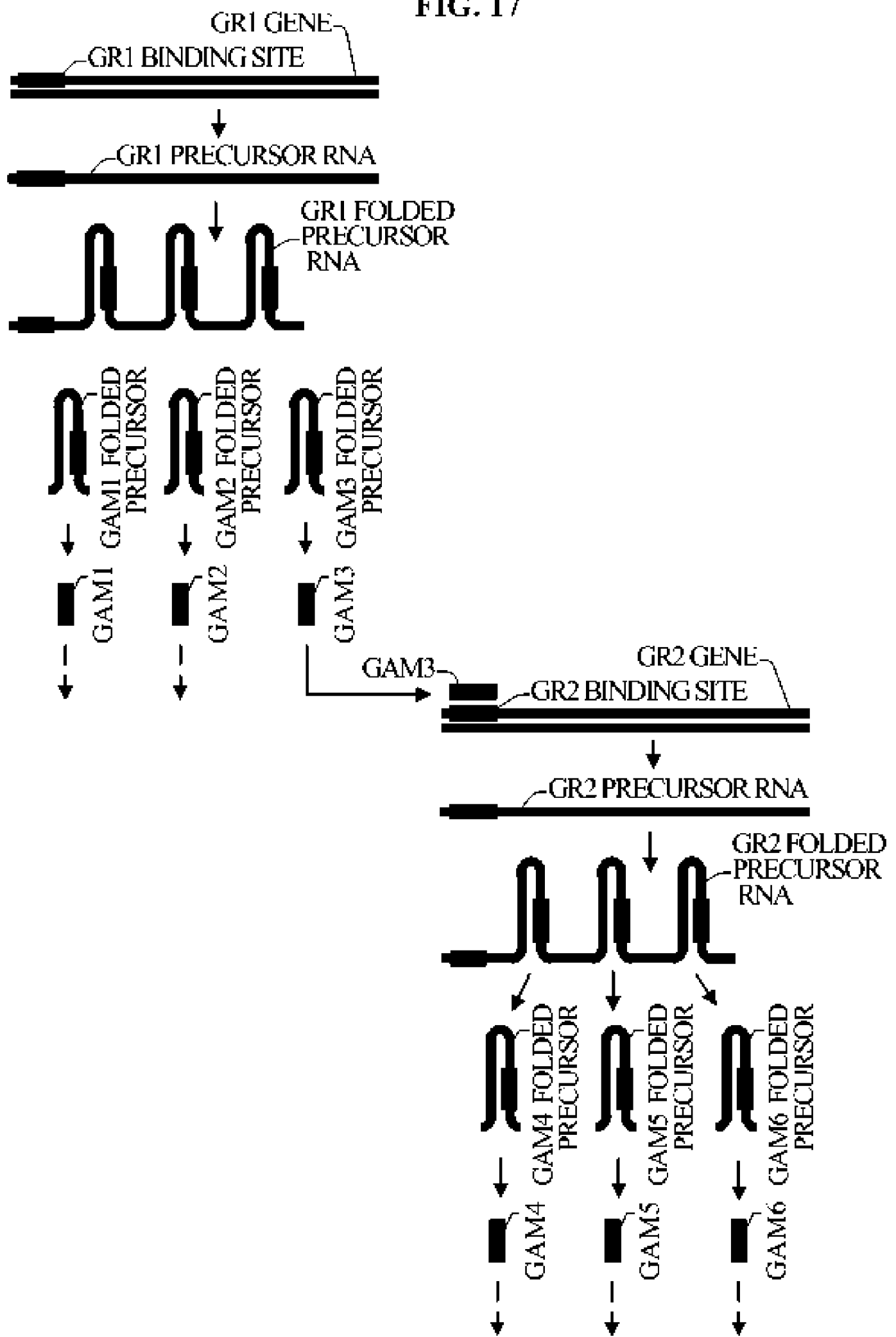


FIG. 18

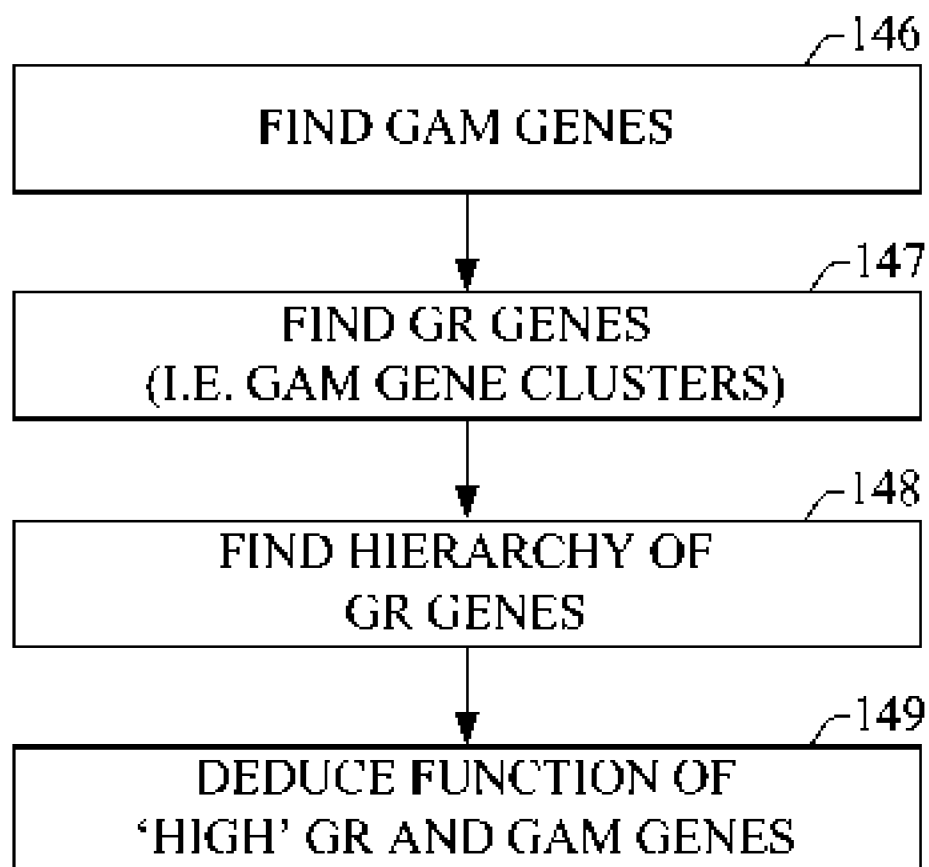


FIG. 19

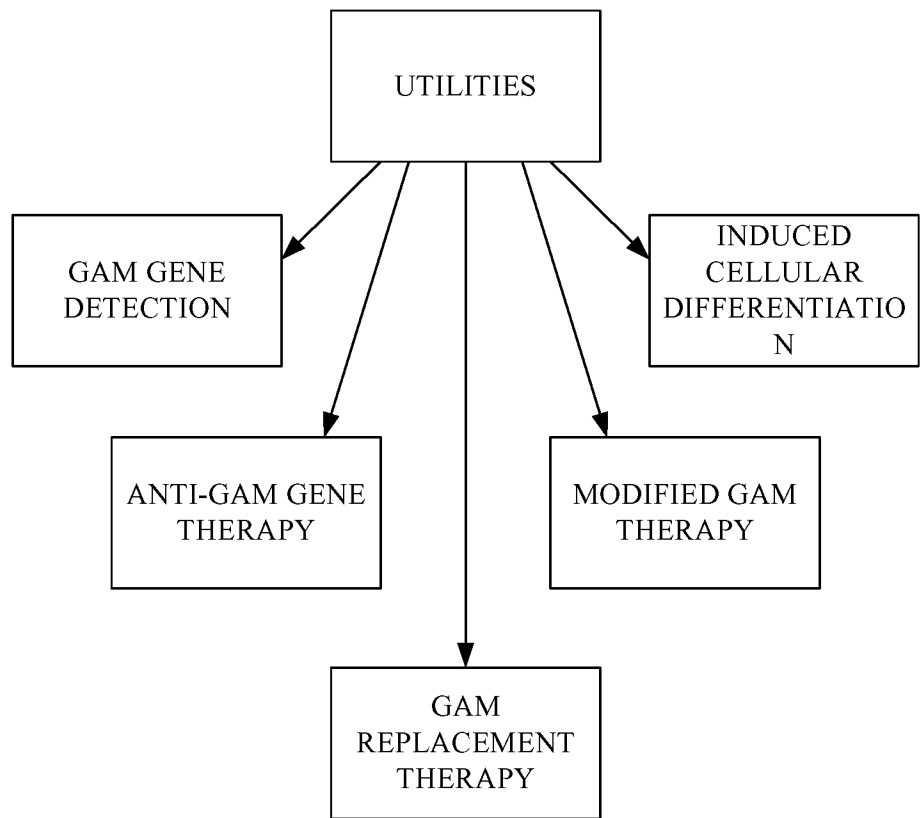


FIG. 20A

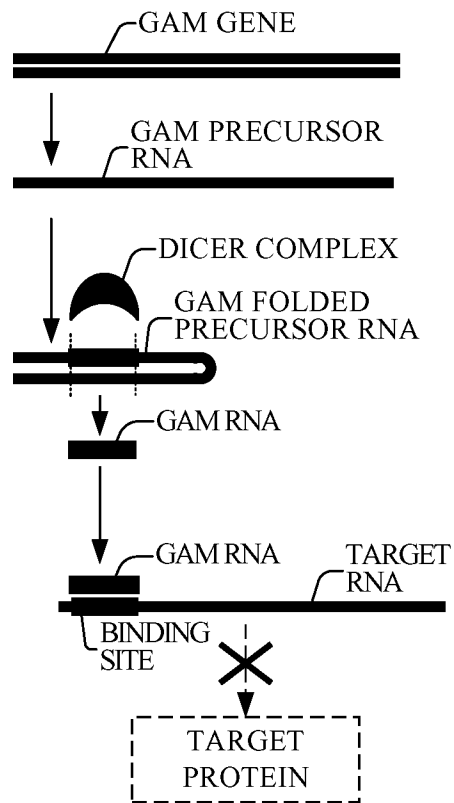
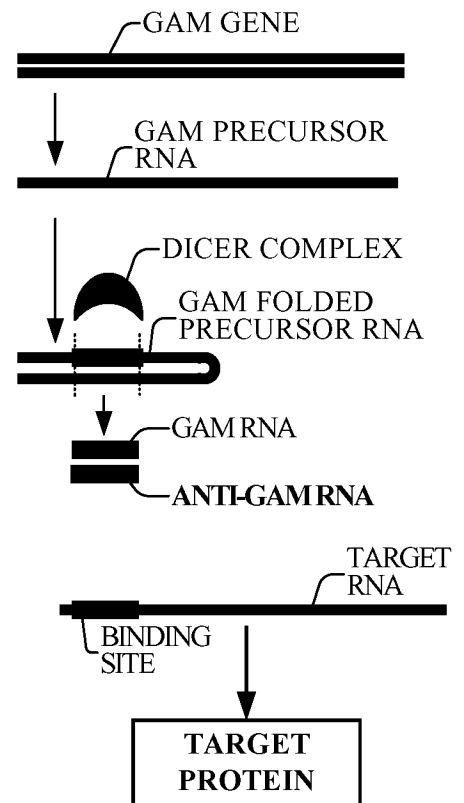


FIG. 20B

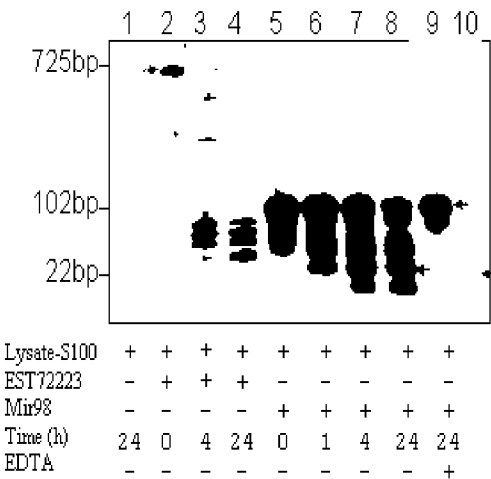


EST72223 sequence:

FIG. 21A

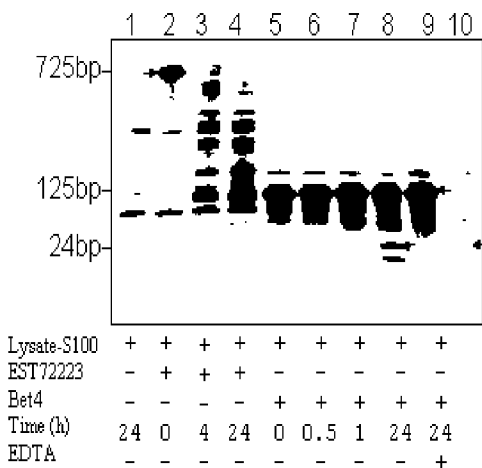
CCCTTATTAGAGGATTCTGCTCATGCCAGG**GTGAGGTAGTAAGTTGTATTG**
TTGTGGGGTAGGGATATTAGGCCCAATTAGAAGATAACTATACAAC MIR98
TACTACTTTCCCTGGTGTGTGGCATATTACACTTAGTCTTAGCAGTGTTGCC
TCCATCAGACAAAGTTGTAGATGTTCCCTTGGATAATTTGGACTGGAAGAAAAGA
GACATGGAAGGGGACAGATGGTGTTTAGGGTGAGGCAGATGTCATTATAAAGT
GACTTGTCTTTCATTAATTGGAGCATATAATTATTTTACCTTTGGGCATGAACTC
ATTTTGCTATTCTTCAACTGTGTAATGATTGCATTTTATTAGTAATAGAACAGGA
ATGTGTGCAAGGGAATGGAAAGCATACTTTAAGAATTTGGGCCAGGC GCGGT
GGTTCATGCCTGTAATCCCAGCATTTTTGGGAGGCCGAGGCGGGTGGATCAC
CTGAGGTCAGGAGTTCGAGACCAACCTGGCCAACACGGCGAAACCCCGCCTC
TACTCAAATACAAAAATTAGCCAGGCTTGGTGACACTCGCCTGTGGTCCCAGC
TACTCAGGAGGCT**GAGGCAGGAGAATTGCTTGAACCCAGGAAGTGGAG** GAM2
GCTTCAGTGAGCTGAGAACACGCCACTGCACTCCAGTCCTGGGCAAC 5
AGAGCAAGACTCTGTCTCAGGAAAAAAAAAAG

FIG. 21B



MIR98

FIG. 21C



GAM2

5

FIG. 21D

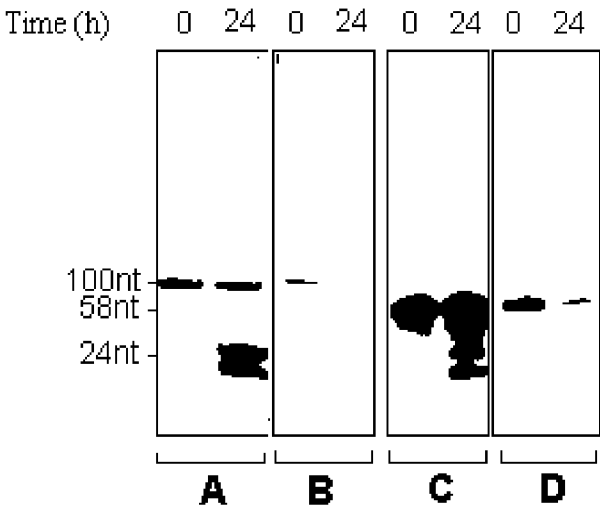


FIG. 22A

dbEST Id. 7929020 (Image4514344) sequence:

CCAAAAACTGCAAGCATTCCCTTTGAAAAC TGGCACAACACAGGCATGCCCTCTCTCAC
CGCTCCTATTCAACATAGTCTTGGAAGTTCTGCCCAGGGCAATTAGGCAGGACAAGCAA
ATAAAGCGCTATTCAATTAGGAAAAGAGCAACTCAAATTGTTCCCTCTTTGCAGATGACAT
GATTGTATATCTAGAAAACCCCATTTCTCTCAGCCCCAAATCTCCTTAAGCTGATAAGCA
ACTTCAGCAAAGTCTCAGCATACAAAATAAATGTACAAAATCACAAGCATTCTTACAC
ACCAACAACAGAAAAACAGAGCCAAATCATCACTGAACTCCCATTACAAATTGCTTCAA
AGACAATAAAATACCTAGCAATCCAAC TTACAAGGCATGTCAAGCACCTCTTCAAGCAG
AACTACAAACCACTGCTCAAGCAAATAAAACAGGATACAAACAAATGCAACAACATTCC
ATGCTCATGGCTAGGAAGAATCAATATTGTCAAAATGGCCATACTGCCCAAGCTAATTT
ACAGATTCAATGCCATCCCCATCAAGCTACCAATCACTTTCTTCACAGAATTGCAAAAA
ACTACTTTAAAGTTTATATGCAACCAAAAAAGAGCCCCCATGCCCAACTCAATCCTAAG
CCAAAAGAACAAAGCTGGAGGCATCACACTACCTGACTTCAAAC TTTACTACAAGGCTA
CACTAACC AAAACAGCATGCTACTGCTACCAAAAACAGAGATATACATCAATGCAACAGA
ACAGACCCCTCAGAAATAACCCCCAATACCTACAAC TATCTGATCTTTACAAAACCTCA
GAAAAACAAGCAATCGGGCAAAGCATTCCCTATTTAATAAATGCTCCTCGGAAAAC TGAC
TAGCCATATCTAGAAAAGCTGAAACTGCATCCCTTCCTTACACCTTATACAAAAATCAAT
TCAAGATGCATTAAACATTTTAAACCTTACACCTAAAACCATAAAAAACCTAGAACAAAA
CCTAGGCATTACCATTACGACATAGGCATGGGCAAGCACTTCATGTCCAAAACACCAA
AAGCAATGGCAACAAAACACAAAATTGACAAATGGCATCTAATTAAACTAAAGACCTTC
TGCACAGCAAAAACAAACTACCAT**TCAGAGTGAACAGGCAACCTACAAAATGGGAGAAAAT**
TTTCGCAACCTACTCATCTGACAAAGGGCTAATATCCAGAATCTACAATGAACTCAAAC
AAATTTACAAAAAAA AAAAAAAA

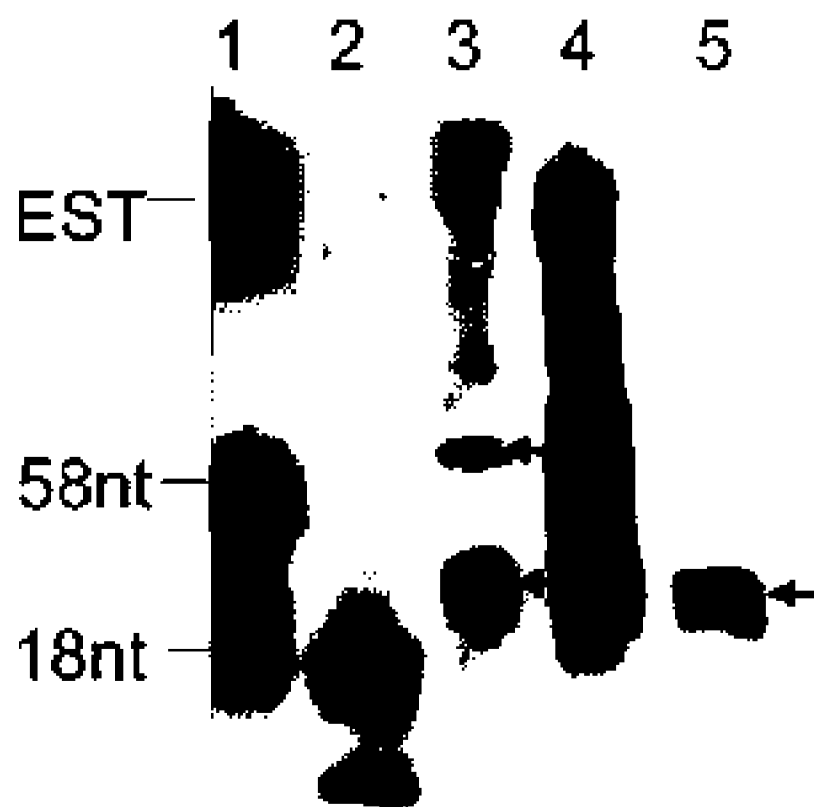
GAM24

GAM26

FIG. 22B



FIG. 22C



GAM26

FIG. 23A**dbEST Id.1388749 (Image1020185) Sequence:**

ACTCCTATCAACAGTGTAAGCATTCTGTTTCTCCATAATCTTGCCAGCATCTTTT
 CATTTTTTTTGAATTATAGCCATTCTGACTGTTGTGAGATGGTGTCTCATTGTGGTTTT
 GATTTGCATTTCTCAGATGATCAGTGATGTTGAAGTTTTTTTTGTTTGTGGCTGCATG
 TATGCCCTTCTTTTGAAAAGTGTCTGTTTGTGTCCCTTGACCACCTTCTAATGGGGTTG
 AGTTTTTTTTTCTTGTAATTTGTTTAAGTTCCTTGATAGATGCTGGATATTAGACCTT
 TGTCAGATGGATAGAGTGCAAAAATTTTCTCCCATTTCTGTAGGTTGTGGGTTTACTCT
 GTTGATAGGTTCTTAATGCTGTGCAGAAGCTCTTAGTTTAATTAGATCCCATTGTGTC
 AATTTTGGCTTTTGTGCAATTGCTTTTGGCATCTTCGTCATGAAATCTTTGCCCTTG
 CCTGTGTCCTGAATGGCATTGCCTAGGTTTTCTTCCAGGATTTTTATAGTTTTGGGT
 GTAGATTTAAGTCTTTAATCCATCTTGAGTTAACTTTTGTATATGGGTAAAGGAAGGG
 GCCCGTTTTCAATTTGCTGCAAATGGCTAGCCAGTTCTCCCAGCACCATTTATTAAATA
 GGGAAATCTTTTCCCATTTGCTTCCTTTTGTGAGGTTTGTCAAAGATCACATGGTTGTA
 GGTGTGTGGTCTTATTTCTGGGTCTCTATTCTGTTCCATTGGGCTATGGGCCGGTTC
 TGTACCACCACTATGCTGTTTTGGGTACCATAGTCTTGTAGAATGTTTGAAGCTGGGT
 AGCATGATGCCTCTAGCTTTGCTCTTCTTGCTAAGAAATGTCTTGGCTATTTGGGCTC
 TTTTTTGGTTCCATATGAATTTTAAAATAGCTTTTTCTAGGTCTGTAAAGAATGTGAA
 TAGTAGTTTAATGGGCCTAGCATTTAATTTACAGATTGCCTTGGGCAGTGTGGTCATT
 TTCACGATATTGATCCTTCCTGTCTGTGAGCATATGTTTT**TTCCATTTGTTTGTGTCAT**
CTCTGATTTCTTTGAATAATGGTTTATAGTTATCCTTGAAAAGGTCCTTCACTTTTCT
TGTTAGCTGTATTCCTAGATATTATACTCTTCTTGTCGCAATTGTGAATGGGAGTTAA
 TTCATGAGTTTTCTCTCGGCTTGCTGTTGTTGGTGTATAGGAATGCTAGTGACTTTT
 GCACATTGATTTTGTATCCTGAGACTTTGTTGAAGTTGCTTATCAGCTAAGAAGTTTT
 TGAGCTGAGATGATGGAGTTTTCTAGATATAGGATCATATCATCTGCAAACAAAGATA
 GTTTGACTTCCTGTCTTCCTATTTGAATAGCTTTTCTTTCTTTCTTGCCTGATTGC
 CTTGGTGAGAATTTCTAATACTGTGTTGAATAGGAGTGGTGAGCTCGTGCCAA

GAM 27**FIG. 23B**

1 2 3 4 5 6 7



←EST

←130nt

←22nt

GAM27